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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/517,319	07/15/2005	Philippe A. Tessier	6013-149us 3470		
20988 7590 01/12/2007 OGILVY RENAULT LLP EXAMINER				INER	
	COLLEGE AVENUE	TSAY, MARSHA M			
SUITE 1600 MONTREAL,	QC H3A2Y3		ART UNIT	PAPER NUMBER	
CANADA			1656		
			MAIL DATE	DELIVERY MODE	
			01/12/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

	Application No.	Applicant(s)	
10/517,319		TESSIER ET AL.	
	Examiner	Art Unit	
	Marsha M. Tsay	1656	

Before the Filing of an Appeal Brief	Examiner	A =4 11==14	1
Ecrere and thing or an appear and		Art Unit	
	Marsha M. Tsay	1656	
The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	lress
THE REPLY FILED 15 December 2006 FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
 The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance time periods: The period for reply expires 6 months from the mailing date b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire is Examiner Note: If box 1 is checked, check either box (a) or TWO MONTHS OF THE FINAL REJECTION. See MPEP 76 	wing replies: (1) an amendment, affitice of Appeal (with appeal fee) in one with 37 CFR 1.114. The reply must of the final rejection. Advisory Action, or (2) the date set forth after than SIX MONTHS from the mailing (b). ONLY CHECK BOX (b) WHEN THE	idavit, or other evider compliance with 37 C ust be filed within one in the final rejection, wh g date of the final reject	nce, which FR 41.31; or (3) of the following sichever is later. In on.
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of ex under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	tension and the corresponding amount shortened statutory period for reply orig than three months after the mailing da	of the fee. The approprinally set in the final Off	iate extension fee ice action; or (2) as
 The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter a Notice of Appeal has been filed, any reply must be filed 	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	
AMENDMENTS	to a control of the state of th	***************************************	
 The proposed amendment(s) filed after a final rejection, They raise new issues that would require further co 	· · · · · · · · · · · · · · · · · · ·		ecause
(b) They raise the issue of new matter (see NOTE belo		i L. below),	
(c) They are not deemed to place the application in bet appeal; and/or		ducing or simplifying	the issues for
(d) They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).		ected claims.	
4. The amendments are not in compliance with 37 CFR 1.1		mpliant Amendment	(PTOL-324).
5. Applicant's reply has overcome the following rejection(s)			
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	lowable if submitted in a separate,	timely filed amendme	ent canceling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is protected. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 1.3 and 5-7. Claim(s) withdrawn from consideration: AFFIDAVIT OR OTHER EVIDENCE		II be entered and an o	explanation of
 The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e). 	it before or on the date of filing a North day the affiday	otice of Appeal will <u>no</u> rit or other evidence i	ot be entered s necessary and
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessar	overcome <u>all</u> rejections under appe y and was not earlier presented. S	al and/or appellant fa ee 37 CFR 41.33(d)(ils to provide a 1).
 The affidavit or other evidence is entered. An explanatio REQUEST FOR RECONSIDERATION/OTHER 	n of the status of the claims after e	ntry is below or attac	ned.
 The request for reconsideration has been considered bu <u>See Continuation Sheet.</u> 	it does NOT place the application in	n condition for allowa	nce because:
12. ☐ Note the attached Information Disclosure Statement(s).13. ☐ Other:	(PTO/SB/08) Paper No(s)	/ st/	W
		ROBERT A.	

Continuation of 5. Applicant's reply has overcome the following rejection(s): the rejection of claim 12 under 35 U.S.C. 102(b) as being anticipated by Hessian et al. (2001 Eur J Biochem 268(2): 353-363) and the rejection of claim 12 under 35 U.S.C. 102(e) as being anticipated by Freeze et al. (US 20050118688).

Continuation of 11. does NOT place the application in condition for allowance because: claims 1, 3, 5-7 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Freeze et al. (US 20050118688). As explained in the previous Office action, Freeze et al. teach aqueous compositions comprising antibodies against S100A8 or S100A9 protein (p. 35 [0305]). In Figure 17, Freeze et al. disclose adhesion of neutrophils to the immobilized glycans present on endothelial cells is effectively inhibited by both anti-S100A9 and mAbGB3.1 (p. 24 [0235]). Antibody mAbGB3.1 is an anti-carbohydrate antibody generated against carboxylate-enriched desialyated bovine lung N-glycans (p. 16 [0162]). In example 34, Freeze et al. teach antibody mAbGB3.1 blocks acute peritoneal inflammation in a mouse model of colitis and Crohn's Disease by preventing neutrophil extravasation (p. 43 [0365]). Freeze et al. further disclose that since S100A8/9 are involved in inflammation and also bind to the carboxylated glycans recognized by antibody mAbGB3.1, this antibody or agents that mimic the carboxylated sugar chains are considered also to be useful for treating arthritis, diabetes, malignancy (p. 44 [0367]), asthma, and gout (p. 4-5 [0020]). Freeze et al. do not specifically teach the administration of anti-S100A8/9 into a subject. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to administer the anti-S1008/9 composition of Freeze et al. into a mammalian subject for the treatment of arthritis because Freeze et al. disclose anti-S100A9 is functionally equivalent to mAbGB3.1 and would be effective in inhibiting the recruitment and activation of neutrophils (claims 1, 3, 5-7). The motivation to do so is given by Freeze et al., which teaches the administration of an analogous agent into a mammalian model.

In their response, Applicants assert the prior art teaches away from the claimed subjected matter and submit the Peffetti et al. reference. Applicants' arguments have been fully considered but they are not persuasive. On page 25 [0240], Freeze et al. disclose that it is contemplated that in some embodiments of the invention, the precise epitopes recognized by annexin I and S100A8/A9 and the physiological processes mediated in vivo by annexin I and S100A/A9 differ. Freeze et al. further discloses that unlike S100 proteins, annexin I does not modulate neutrophil adhesion to endothelial monolayers, but impedes neutrophil emigration. Therefore, one of ordinary skill in the art would recognize that the processes mediated by annexin and S100A/A9 will be different.

Freeze et al. disclose mAbGB3.1 inhibits extravasation of neutrophils and monocites in a murine model of peritoneal inflammation (p. 16 [0157], p. 43 example 34). In figure 17, Freeze et al. show anti-S100A9 significantly reduced biniding of activated human neutrophils to the N-glycans, as did mAbGB3.1 (p. 39 [0328]). The instant claims are drawn to a method comprising administering anti-S100A8/9 to an individual thereby inhibiting the recruitment and the activation of neutrophils. Freeze et al. has disclosed that anti-S100A9 is functionally equivalent to mAbGB3.1. Therefore, one of ordinary skill in the art would be motivated to administer anti-S100A9 to an individual in order to reduce an inflammatory reaction such as arthritis and expect a reasonable level of success because Freeze et al. disclose the administration of an analogous agent into a mammalian model was successful in inhibiting extravsation of neutrophils and reducing inflammation.